Use Attainability Analysis

for

WBID 938 Little Walnut Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

Date Received: July 18, 2005

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Oppossum	Creek
8-digit HUC: 10290202	JUL : 9 2005
Missouri WBID #: 1575	KAZZO TO TO TOGENA
County: Texas	
Upstream Legal Description: SE1/4 SE1/4 Sec. 36T.30N., R	.11W.
Downstream Legal Description: NW1/4 NE1/4 Sec.30 T.30N.,	R.10W.
Upstream Coordinates: N. 37.25549 W. 92.09038	
Downstream Coordinates: N. 37.28024 W. 92.07819	
Discharger Facility Name(s): NA	
Discharger Permit Number(s): NA	
Number of Sites Evaluated: 3	
Name of Surveyor and Telephone Number: Dennis Meinert (3	14)-416-2960
Organization: Department of Natural Resources, SWCP	
Position: Soil Scientist	

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

signed: Dennis M. Meiners Date: 06/27/05_

September 29, 2004

Page 1

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	WB1575-01 S	Site Loca	tion Descrip	tion: SEL	/4 SE1/4 Sec	. 36T.30N., R.11W.
Site GPS Coordin	ates: N. 37.2554	.9 W	. 92.09038			
Date & Time: 6/2	7/05 9:00 am		Facility Na	me: NA		
Personnel: Denni	s Meinert, John H	orton	Permit Numb	er: NA		
Current Weather	Conditions: Sunny		Weather Cor	ditions fo	or Past 7 days	: Scattered showers
Photo Ids: Upst	ream: WBU1575-01	Downst	ream: WBD157	5-01	Other:	
Uses Observe	•d*:					
Swimming	Skin Diving	Scu	ba diving	Tubing		Water skling
Wind surfing	Kayaking	Boa	ting	Wading	_	Rafting
Hunting	Trapping	Fis	hing	_X_ None of	the above	Other:
	de number of indi eational uses, et		recreating,	frequency	of use, photo	-documentation of
	Conditions*: (dence or unusua				pede recreat	ional uses. Attach
City/county pa	rks Playgrous	nds	MDC conserva	tion lands	Urban are	as Campgrounds
Boating access	ses State par	rks	National for	nsts	Nature tr	ails Stairs/walkway
No trespass si	.gn Fence		Steep slopes		_X_ Other: pr	ivate property
Evidence of	Human Use*:					
Roads						
	Foot paths/pri	nts	Dock/platform	Lives	tock Watering	RV / ATV Tracks
Rope swing	Foot paths/pri		Dock/platform Fire pit/ring	+=-	tock Watering Discharge	RV / ATV Tracks
Rope swingX_ Other: none				+=-		220

labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-01

Stream Morphology:

Upstream View Physical Dimensions: No water observed.

Flow	Present?	Yes No	Estimated (ft3/sec):			
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max.	Depth	(ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max.	Depth	(ft):
Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max.	Depth	(ft):

Downstream View Physical Dimensions: No water observed.

Flow	Present?	Yes No	Estimated (ft3/sec):		
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. D	epth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. D	epth (ft):
Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. D	epth (ft):

20% Cobble	50% Gravel	% Sand	% Silt	% Mud/Clay	30% Bedrock

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Aquatic plants on edge

Water Characteristics*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other: None
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	oil	Scum	Foam	None	Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Den	nis M. Meinero	Date:	06/27/05
Organization:	Department of Natural Resources	SWCP	
Position:	Soil Scientist		

WBID 0938 – Downstream #1



WBID 0938 – Upstream #1



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	MB1373-02		acton bobott	, , , , , , , , , , , , , , , , , , , ,	/4 SW1/4 SEC		
Site GPS Coordina	tes: N.37.27220	W. 9	2.07942				
Date & Time: 6/27	7/05 9:50 am		Facility N	ame: NA			
Personnel: Dennis	Meinert, John Ho	orton	Permit Num	per: NA			
Current Weather (Conditions: Cloudy	У	Weather Co	nditions f	or Past 7 da	ys: Sc	attered showers
Photo Ids: Upstr	ream: WBU1575-02	Downst	ream: WBD157	5-02	Other:		
Uses Observed	d*:						
Swimming	Skin Diving	Scu	ıba diving	Tubing		Wat	ter skiing
Wind surfing	Kayaking	Воа	ating	Wading		Ra:	fting
Hunting	Trapping	Fis	shing	_X_ None o	f the above	Ot!	her:
	eational uses, et	c.)					
Surrounding		Mark al			mpede recre	ationa	al uses. Attach
Surrounding	Conditions*: (dence or unusual	Mark al		t.)	mpede recre		al uses. Attach
Surrounding photos of evice	Conditions*: (dence or unusual	Mark al l items	of interes	t.)		reas	Campgrounds
Surrounding photos of eviceCity/county par	Conditions*: (dence or unusual rks Playgrour es State par	Mark al litems	of interes	t.) tion lands	Urban a	reas trails	Campgrounds
Surrounding photos of evic City/county par	Conditions*: (dence or unusua: rks Playgrour es State par gn Fence	Mark al litems	of interes MDC conserva National for	t.) tion lands	Urban a	reas trails	Campgrounds
Surrounding photos of evic City/county pa: Boating accesse No trespass sign	Conditions*: (dence or unusua: rks Playgrour es State par gn Fence	Mark al l items	of interes MDC conserva National for	t.) tion lands	Urban a	reas trails rivate	Campgrounds
Surrounding photos of evic City/county par Boating accesse No trespass signed Evidence of	Conditions*: (dence or unusual rks Playgroun es State pan gn Fence Human Use*:	Mark all items ads tks	MDC conserva National for Steep slopes	t.) tion lands ests	Urban a NatureX_ Other:p	reas trails rivate	Campgrounds Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-02

Le 85% Gravel	Length (ft): 51 Length (ft): No Dimensions: Length (ft): 51 Length (ft): No Length (ft): No Lues should add und % Sand (note amount of vertical description)	Avg. Depth Avg. Depth Avg. Depth Avg. Depth Avg. Depth Estimated pto 100%.)	n (ft): n (ft): (ft3/sec): n (ft): 3" n (ft): n (ft): (ft3/sec):	Max. I Max. I Max. I Max. I	Depth (ft): Depth (ft): Depth (ft): Depth (ft): Depth (ft): Depth (ft): 5 % Bed	7"
am View Physical dth (ft): dth (ft): dth (ft): dth (ft): dth (ft): fesent? Yes te*: (These val	Length (ft): No Dimensions: Length (ft): 51 Length (ft): Length (ft): No Lues should add to a should a shoul	Avg. Depth Estimated Avg. Depth Avg. Depth Avg. Depth Estimated p to 100%.)	(ft): (ft3/sec): (ft): 3" (ft): (ft): (ft3/sec):	Max. I Max. I Max. I	Depth (ft): Depth (ft): Depth (ft): Depth (ft):	7"
mesent? Yes am View Physical dth (ft): 20' dth (ft): dth (ft): resent? Yes te*: (These val 85% Gravel Vegetation*: (No Dimensions: Length (ft): 51 Length (ft): No Lues should add to a should add	Estimated Avg. Depth Avg. Depth Estimated p to 100%.)	(ft3/sec): 1 (ft): 3" 1 (ft): 1 (ft): (ft3/sec):	Max. I Max. I	Depth (ft): Depth (ft): Depth (ft):	7"
am View Physical (dth (ft): 20' (dth (ft): (dth (ft): (esent? Yes te*: (These val le 85% Gravel Vegetation*: (Length (ft): 51 Length (ft): Length (ft): No Lues should add under the should add under t	Avg. Depth Avg. Depth Avg. Depth Estimated up to 100%.)	n (ft): 3" n (ft): n (ft): (ft3/sec):	Max. I	Depth (ft): Depth (ft): 5 % Bed	roc
dth (ft): 20' dth (ft): dth (ft): resent? Yes te*: (These val le 85% Gravel Vegetation*: (Length (ft): 51 Length (ft): No Lues should add uses should add uses amount of we have a should a s	Avg. Depth Avg. Depth Estimated up to 100%.) % Silt	(ft): (ft): (ft3/sec):	Max. I	Depth (ft): Depth (ft): 5 % Bed	roc
idth (ft): idth (ft): resent? Yes te*: (These val le 85% Gravel Vegetation*: (Length (ft): No Lues should add uses should	Avg. Depth Avg. Depth Estimated up to 100%.) % Silt	(ft): (ft): (ft3/sec):	Max. I	Depth (ft): Depth (ft): 5 % Bed	roc
ddth (ft): resent? Yes te*: (These val le 85% Gravel Vegetation*: (Length (ft): No Lues should add u Sand (note amount of v	Avg. Depth Estimated up to 100%.) % Silt	(ft): (ft3/sec):	Max. I	Depth (ft):	roc
resent? Yes te*: (These val le 85% Gravel Vegetation*: (No Lues should add u 8 Sand (note amount of v	Estimated up to 100%.) % Silt	(ft3/sec):	i/Clay	5 % Bed	roc
te*: (These val Le 85% Gravel Vegetation*: (Lues should add u	up to 100%.) % Silt	t % Muc			
Le 85% Gravel Vegetation*: (Sand amount of v	% Silt				
Vegetation*: (note amount of v					
. 1 172		regetation or a	algal growt	h at the	e assessmen	
haracteristics*	*: (Mark all that	t apply.)				
Sewage	Musky	Chemical	None	Other	c:	
Clear	Green	Gray	Milky	Other	r:	
sit: Sludge	Solids	Fine sediments	None	Other	r:	
osit: Oil	Scum	Foam	None	Other	rı	
formation is not ion but rather ins. Consequentl on the recreation or that effect indersigned, here	t to be used sole is to provide a m ly, this informat ion use analysis another use.	ely for remova more comprehen- tion is not in but may point	l of a recr sive unders tended to d to conditi	reational standing directly ons that	use of water influence need furt	a ner
s n fi	clear d: Sludge dit: Oil : Please attach con but rather in its. Consequent on the recreation that effect indersigned, here	clear Green d: Sludge Solids sit: Oil Scum : Please attach additional comm commation is not to be used sole on but rather is to provide a man and the sole on the recreation use analysis or that effect another use. dersigned, hereby affirm to the	clear Green Gray t: Sludge Solids Fine sediments sit: Oil Scum Foam : Please attach additional comments (including and including and includ	Clear Green Gray Milky At: Sludge Solids Fine sediments None Sit: Oil Scum Foam None Please attach additional comments (including information is not to be used solely for removal of a recron but rather is to provide a more comprehensive undersus. Consequently, this information is not intended to on the recreation use analysis but may point to condition that effect another use.	Clear Green Gray Milky Other At: Sludge Solids Fine sediments None Other Sit: Oil Scum Foam None Other Please attach additional comments (including information from a comment) Cormation is not to be used solely for removal of a recreational conductor but rather is to provide a more comprehensive understanding as. Consequently, this information is not intended to directly on the recreation use analysis but may point to conditions that or that effect another use.	Clear Green Gray Milky Other: Sludge Solids Fine sediments None Other: Sit: Oil Scum Foam None Other: Please attach additional comments (including information from interviews on but rather is to provide a more comprehensive understanding of water as. Consequently, this information is not intended to directly influence on the recreation use analysis but may point to conditions that need further or that effect another use. Indersigned, hereby affirm to the best of my knowledge, that all information is not information.

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 0938 – Downstream #2



WBID 0938 – Upstream #2



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	WB1575-03	Site Loca	tion Descri	ption: NW	1/4 NE1/4 Se	c.30	T.30N., R.10W.
Site GPS Coordin	ates: N. 37.28	024 W.	92.07819				
Date & Time: 6/2	7/05 10:30		Facility N	ame: NA			
Personnel: Denni	s Meinert, John	Horton	Permit Num	ber: NA			
Current Weather	Conditions: Sun	ny	Weather Co	nditions f	for Past 7 day	ys: Sc	attered showers
Photo Ids: Upst	ream: WBU1575-0	3 Downst	ream: WBD157	5-03	Other: WBE15	575-03	
Uses Observe	d*:						
Swimming	Swimming Skin Diving		ba diving	Tubing	ı	Wa	ter skiing
Wind surfing	Kayaking	Воа	ting	Wading	ı	Ra	fting
Hunting	Trapping	Fis	hing	_X_ None o	of the above	Ot	her:
	Conditions*:				mpede recrea	ationa	al uses. Attach
City/county pa	rks Playgro	ounds	MDC conserva	tion lands	Urban ar	eas	Campgrounds
Boating access	es State p	parks	National for	orestsNatur		rails	Stairs/walkway
No trespass si	gnFence		Steep slopes	12	_X_ Other: p	rivate	property
Evidence of	Human Use*:						
Roads	Foot paths/p	rints	Dock/platform	_X Live	estock Watering		RV / ATV Tracks
Rope swing	Camping Site		Fire pit/ring	NPDE	S Discharge	-	Fishing Tackle
X Other: None							

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-03

Stream Morphology:

Upstream View Physical Dimensions:

Riffle	Width (ft): 1	L5' Length	(ft): 51'	Avg.	Depth	(ft):	2"	Max.	Depth	(ft): 4"
Run	Width (ft):	Length	(ft):	Avg.	Depth	(ft):		Max.	Depth	(ft):
Pool	Width (ft):	Length	(ft):	Avg.	Depth	(ft):		Max.	Depth	(ft):
Flow	Present?	Yes N	0	Esti	mated	ft3/se	ec):			

Downstream View Physical Dimensions:

Flow	Present?	Yes	No		Estin	mated	(ft3/sec):			
Pool	Width (ft): 13'	Length	(ft): 113'	Avg.	Depth	(ft): 8"	Max.	Depth	(ft):]
Run	Width (ft):	Length	(ft):	Avg.	Depth	(ft):	Max.	Depth	(ft):
Riffle	Width (ft):	Length	(ft):	Avg.	Depth	(ft):	Max.	Depth	(ft):

Substrate*: (These values should add up to 100%.)

30% Cobbles 70% Gravel % Sand	Silt % Mud/Clay % Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

Algal growth on cobbles

Water Characteristics*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

Comments: minnows, crawfish

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Oen	nis M. Meiners	Date: 0	6/27/05
Organization:	Department of Natural Resources SW	CP	
Position:	Soil Scientist		

WBID 0938 – Downstream #3



WBID 0938 – Upstream #3



STREAM NAME

Oppossum Creek

РНОТО	WBID	UP	DOWN	USE	COMMENTS
1	1575		X	No use	No water
2	1575	X		No use	"
3	1575	Х		No use	riffle
4	1575		X	No use	pool
5	1575	Х	1	No use	riffle
6	1575		X	No use	pool
7	1575			Tire tracks	
8					:-
9			3		
10					
11					
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35					
36	i i			180	
37	2	1			
38			1		



